PTO/SB/21 (09-04) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. **Application Number** 10/713,565 Filing Date TRANSMITTAL 11/13/2003 First Named Inventor **FORM** Harvey A. Fishman Art Unit 1651 **Examiner Name** Allison M. Ford (to be used for all correspondence after initial filing) Attorney Docket Number S02-296/US Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance Communication to TC Fee Transmittal Form Drawing(s) Appeal Communication to Board Licensing-related Papers Fee Attached of Appeals and Interferences Appeal Communication to TC Petition Amendment/Reply (Appeal Notice, Brief, Reply Brief) Petition to Convert to a Proprietary Information After Final Provisional Application Power of Attorney, Revocation Status Letter Affidavits/declaration(s) Change of Correspondence Address Other Enclosure(s) (please Identify Terminal Disclaimer **Extension of Time Request** below): Request for Refund Express Abandonment Request CD, Number of CD(s) Information Disclosure Statement Landscape Table on CD Certified Copy of Priority Remarks Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name Lumen Intellectual F ervices, Inc. Signature Printed name Ron Jacobs Date Reg. No. 101 05 50,142 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

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Date 8/10/105

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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				Examiner Na	me	Allison M.	Ford		
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Name (Print/Type) Ron Jacobs

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Attorney Docket No: S02-296/US



In the United States Patent and Trademark Office

10/713.565 11/13/2003

Title: Applicant(s): Examiner:

Artificial Synapse Chip Harvey A. Fishman Allison M. Ford

Art Unit:

1651

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Information Disclosure Statement

Commissioner of Patents and Trademarks Alexandria, VA 22313

Dear Sir or Madam:

Attached is a completed Form PTO-1449 and copies of the pertinent parts of the references cited thereon. It is requested that the document(s) on the enclosed form be made of record.

Part I (Authority)

This statement is filed pursuant to:

() 37 C.F.R. § 1.97(b).

> This information disclosure statement is filed either (1) within three months of the filing date of the national application; (2) within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application; (3) before the mailing date of a first office action on the merits, or (4) before the mailing of a first Office action after the filing of an RCE under § 1.114, whichever event occurs last.

Accordingly, this information disclosure statement requires no fee and no certification.

37 C.F.R. § 1.97(c). (X)

This information disclosure statement is filed after the period specified in 37 C.F.R. § 1.97(b), but before the mailing date of either (1) a final action under 37 C.F.R. § 1.113 or (2) a notice of allowance under 37 C.F.R. § 1.311.

Accordingly, this information disclosure statement requires either the fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c) (\$180), or a certification according to 37 C.F.R. § 1.97(e).

() 37 C.F.R. § 1.97(d).

> This information disclosure statement is filed after the period specified in 37 C.F.R. § 1.97(c).

> Accordingly, this information disclosure statement requires the fee specified in 37 C.F.R. § 1.17(p) (\$180) and a certification according to 37 C.F.R. § 1.97(e).

Conditional Petition

It is respectfully requested that this information disclosure statement be considered, good cause being presented in Part III herein (certification). Please treat this paper as the required petition.

If this statement crosses in the mail with an office action, or is otherwise not in the indicated category of 37 C.F.R. § 1.97, it is respectfully requested that this statement be treated in the next appropriate category and made of record.

To the extent required, please treat this paper as a conditional petition for acceptance of the information disclosure statement. 08/15/2005 DEMMANU1 00000010 10713565

Part II (Payment)

A	check	is	enclosed	as	indicated:

- () No fee is due.
- (X) The fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c) or 37 C.F.R. § 1.97(d) is enclosed (\$180).

Part III (Certification)

Pursuant to 37 C.F.R. § 1.97(e), I certify:

- (X) No certification is necessary.
- () Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the statement.
- () No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c), more than three months prior to the filing of the statement.

Part IV (Additional Statement)

An addi	tion	al st	atemen	it regarding th	nese it	ems (of informat	ion	$(\)$	is, (X) i	is not, er	ıclo	sed.		
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Dated:

8/10/05

Respectfully submitted,

Ron Jacobs

Reg. No. 50,142 2345 Yale Street, 2nd Floor Palo Alto, CA 94306

tel: (650) 424-0100 fax: (650) 424-0141

LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary) U.S. PATENT DOCUMENTS POREIGN PATENT DOCUMENTS B WO 01/81552 11/1/2001 WIPO Yes No OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) D Sandyk, R. "Paroxysmal Itching in Multiple Sclerosis During Treatment with External Magnetic Fields" (1994) Published in Int. J. Neurosci. 75(1-2): 65-71 E Heuschkel, M.O. et al. "Buried Microchannels in Photopolymer for Delivering of Solution to Neurons in a Network." (1998) Published in Sensors and Actuators B 48: 356-361 F Yeung, C.K. et al. "Modulation of the Growth and Guidance of Rat Brain Stem Neurons Using Patterned Extracellular Matrix Proteins." (2001) Published in Neuroscience Letters 301: 147-150 G Maher, Michael et al. "The Neurochip: A New Multicetrode Device for Stimulating and Recording from Cultured Neurons" (1999) Published in Journal of Neuroscience Methods 45-56 H Jenkner, Martin et al. "Interfacing a Silicon Chip to Pairs of Smail Neurons Connected by Electrical Synapses" (2001) Published in Biol. Cybern 84: 239-249 I Sancinejad, Samar et al. "Printing Patterned Glass Surface Direct Cell Adhesion and Process Outgrowth of Primary Neurons of the Central Nervous System" (1999) Published in J. Biomed. Mater. Res. 42: 13-19 I Tal, Hisn-Chien et al. "Neurite Outgrowth and Growth Cone Morphology on Micropattern Surfaces" (1998) Published in Biotechnol. Prog. 14: 364-370 K Lifke, AM. "The Retinal Readout System: A Status Report" (1999) Nuclear Instruments a Methods in Physics Research A 435: 242-249 L Bernard, Andre et al. "Printing Patterns of Proteins" (1998) Published in Langmuir Vol. 1-15 M Chow, Alan. "Implantation of Silicon Chip Microphotodiode Arrays into the Cat Subretin Space." (2001) Published in IEEE Vol. 9: 86-95 N Mayne, A.H. "Bi	AUG 1 2 2005	0 30													Sheet 1 of 1
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